

Abstract

Methods and systems are provided for a portable water heating system. The system comprises a housing with an inside and an outside, a water inlet disposed on the outside of the housing, a first hose nipple attached to the water inlet, the first hose nipple adapted to connect a water source to the system, a heating element adapted to heat water inside the housing, a lining disposed inside of the housing, the lining adapted to protect the inside of the housing from water corrosion, a water outlet disposed on the outside of the housing and a second hose nipple attached to the water outlet, the second hose nipple adapted to connect a fluid conduit for heated water distribution. The method comprises providing a portable water heating system with a heating element, controlling the heating element operation with an adjustable thermostatic control, providing a ground fault detecting device between the adjustable thermostatic control and the external electrical supply and shutting off the system with a high temperature shutoff element forming a part of the adjustable thermostatic control, when a predetermined threshold has been exceeded.